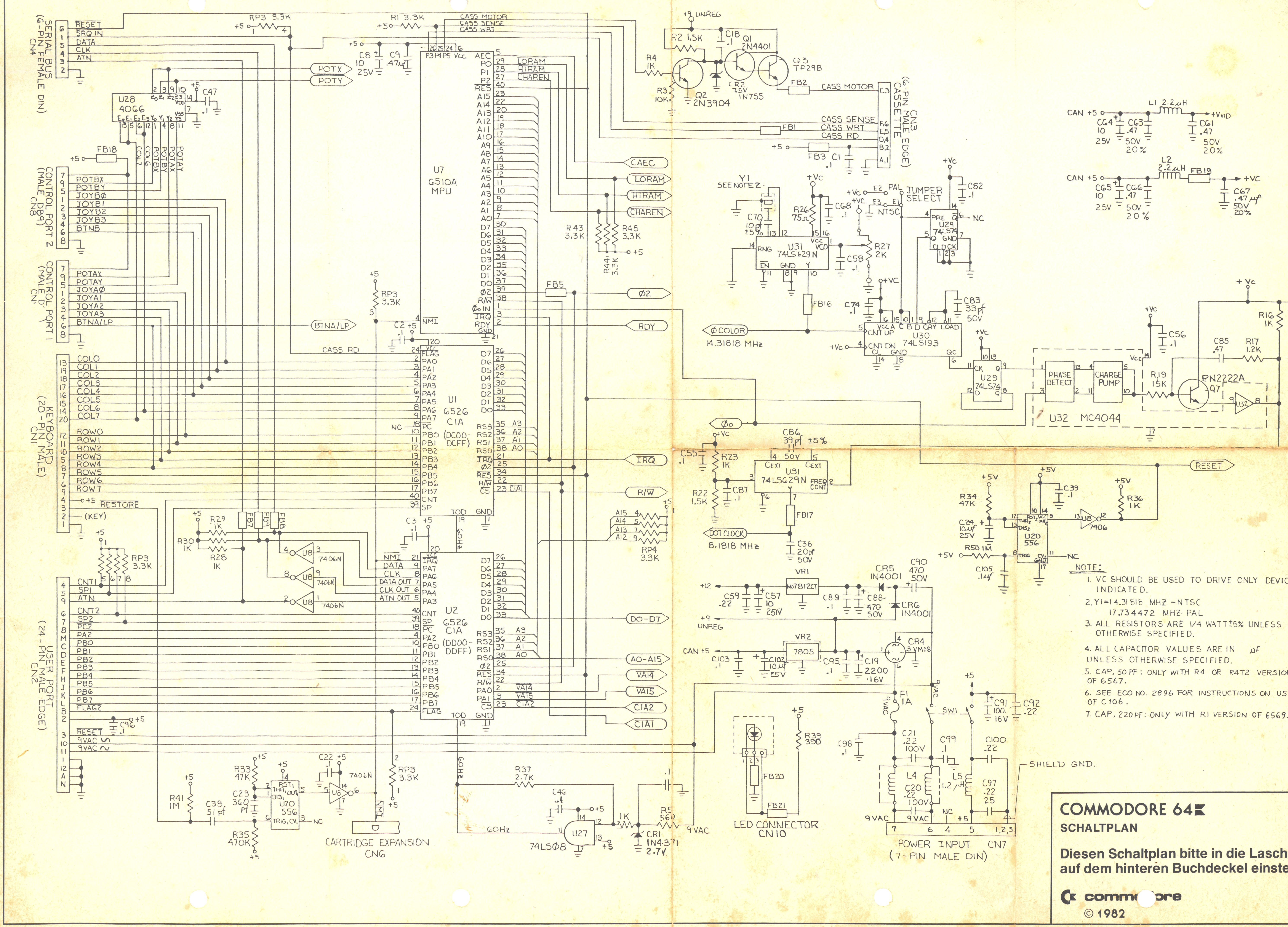


NOTE:

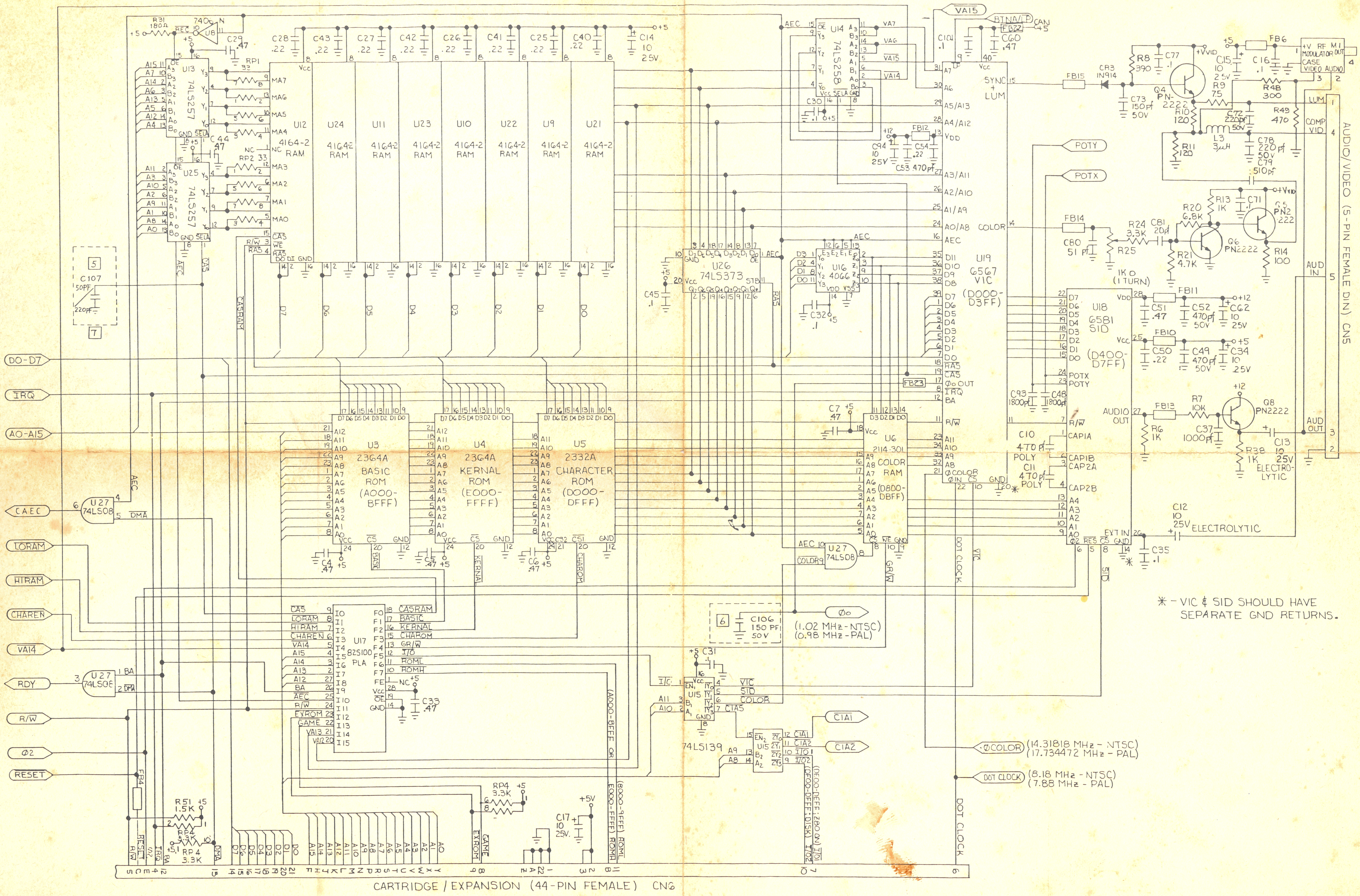
1. VC SHOULD BE USED TO DRIVE ONLY DEVICES INDICATED.
2. Y1=14.31818 MHZ -NTSC
   17.734472 MHZ- PAL
3. ALL RESISTORS ARE 1/4 WATT ±5% UNLESS OTHERWISE SPECIFIED.
4. ALL CAPACITOR VALUES ARE IN µf UNLESS OTHERWISE SPECIFIED.
5. CAP, 50 PF: ONLY WITH R4 OR R4T2 VERSIONS OF 6567.
6. SEE ECO NO. 2896 FOR INSTRUCTIONS ON USE OF C106.
7. CAP, 220 PF: ONLY WITH R1 VERSION OF 6569.

COMMODORE 64

SCHALTPLAN

Diesen Schaltplan bitte in die Lasche auf dem hinteren Buchdeckel einstecken.

commodore
© 1982



U13 74LS257
U25 74LS257
U8 7406
R31 180Ω
RP1 33
RP2 33
C29 .47
C44 .47
C107 50PF 220PF
U12 4164-2 RAM
U24 4164-2 RAM
U11 4164-2 RAM
U23 4164-2 RAM
U10 4164-2 RAM
U22 4164-2 RAM
U9 4164-2 RAM
U21 4164-2 RAM
MA7 MA6 MA5 MA4 MA3 MA2 MA1 MA0
CAS WE RAS
CASRAM
C28 .22
C43 .22
C27 .22
C42 .22
C26 .22
C41 .22
C25 .22
C40 .22
C14 10 25V
U14 74LS258
VA7 VA6 VA15 VA14
U26 74LS373
U16 4066
C45 .1
C32 .1
C30 .1
U19 6567 VIC (D000-D3FF)
SYNC + LUM
COLOR
VA15
BTNA/LP
CAN +5
FB22
C101 .1
C60 .47
FB12
C94 10 25V
C54 .22
C53 470pf
FB23
Ø0 OUT
POTY
POTX
U18 6581 SID (D400-D7FF)
C93 1800pf
C48 1800pf
C10 470pf POLY
C11 470pf POLY
CAP1A CAP1B CAP2A CAP2B
AUDIO OUT
EXT IN
FB11 C51 .47 C52 470pf 50V C62 10 25V
FB10 C50 .22 C49 470pf 50V C34 10 25V
FB13 R7 10K R6 1K
C37 1000pf
Q8 PN2222
R38 1K
C13 10 25V ELECTROLYTIC
C12 10 25V ELECTROLYTIC
C35 .1
FB15 CR3 1N914
R8 390 C77 .1
Q4 PN-2222
C73 150pf 50V
R9 7.5 R10 120 R11 120
L3 3μH
C72 220pf 50V
C78 220pf 50V
C79 510pf
R48 300 R49 470
C15 10 25V C16 .1
FB6
+V RF MODULATOR OUT CASE VIDEO AUDIO
M1
FB14 C80 51pf
R25 1K Ω (1 TURN)
R24 3.3K C81 20pf
R20 6.8K R21 4.7K
R13 1K C71 .1
Q6 PN2222
Q5 PN2222
R14 100
LUM
COMP VID
AUD IN
AUD OUT
AUDIO/VIDEO (5-PIN FEMALE DIN) CN5
U3 2364A BASIC ROM (A000-BFFF)
U4 2364A KERNAL ROM (E000-FFFF)
U5 2332A CHARACTER ROM (D000-DFFF)
C4 .47 C5 .47 C6 .47
U6 2114-301 COLOR RAM (D800-DBFF)
C7 .47
U27 74LS08
AEC COLOR
GR/W
C106 150 PF 50V
Ø0 (1.02 MHz-NTSC) (0.98 MHz-PAL)
U17 82S100 PLA
CASRAM BASIC KERNAL CHAROM GR/W I/O ROML ROMH
CAS LORAM HIRAM CHAREN VA14 A15 A14 A13 A12 BA AEC R/W EXROM GAME VA13 VA12
C33 .47
U15 74LS139
C31 .1
I/O VIC SID COLOR CIAS
CIA1 CIA2 I/O1 I/O2
(DE00-DEFF; Z80 ON) I/O1
(DF00-DFFF; DISK) I/O2
(A000-BFFF OR E000-FFFF) ROMH
(8000-9FFF) ROML
ØCOLOR (14.31818 MHz - NTSC) (17.734472 MHz - PAL)
DOT CLOCK (8.18 MHz - NTSC) (7.88 MHz - PAL)
D0-D7
IRQ
A0-A15
CAEC
LORAM
HIRAM
CHAREN
VA14
RDY
R/W
Ø2
RESET
DMA
FB4
R51 1.5K
RP4 3.3K
C17 10 25V.
CARTRIDGE / EXPANSION (44-PIN FEMALE) CN6
✳ - VIC & SID SHOULD HAVE SEPARATE GND RETURNS.